WHAT IS CLAIMED IS:

- 1. A method of fabricating an array with multiple sets of neighboring features comprising, for each of multiple sets of neighboring features, depositing at least one set of drops from a corresponding same pulse jet dispenser onto a substrate so as to form the array with the sets formed from drops deposited by respective different dispensers.
- 2. A method according to claim 1 wherein the features formed in different sets are biopolymers.
- 3. A method according to claim 2 wherein the deposited drops contain the biopolymers.
- 4. A method according to claim 2 wherein a set of biomonomer containing drops are deposited by the same dispenser for each feature of each of the feature sets.
- 5. A method according to claim 1 wherein the different dispensers are moved in unison with respect to the substrate during deposition of respective sets of drops from the different dispensers.
- 6. A method according to claim 5 wherein the different dispensers deposit at least some of the drops of their respective sets on a same pass over the substrate.
- 7. A method according to claim 2 wherein features within each of multiple feature sets comprise different biopolymers.
- 8. A method according to claim 7 wherein each feature set has at least ten features with ten different biopolymers.
- 9 A method according to claim 7 wherein the deposited drops contain the biopolymers.

- 10. A method according to claim 76 wherein features within each of multiple feature sets comprise polynucleotides or peptides.
- 11. A method according to claim 1 wherein at least ten different dispensers are used.
- 12. A method according to claim 1 wherein each set of neighboring features includes at least four features in a non-linear configuration.
- 13. A method according to claim 1 wherein a distance between at least two neighboring sets is greater than an average distance between features within the sets, both as measured in a same direction.
- 14. A method of fabricating multiple arrays, comprising fabricating the arrays on a same substrate each according to claim 1, the method additionally comprising separating the substrate into multiple segments each carrying at least one of the arrays.
- 15. A method according to claim 1 wherein the distance between neighboring sets of features is no greater than 2 mm.
- A method of fabricating an array with multiple sets of neighboring features comprising, for each of multiple sets of neighboring features, depositing at least one set of drops from a corresponding same dispenser onto a substrate so as to form the array with the sets formed from drops deposited by respective different dispensers, wherein a distance between at least two neighboring sets of features is greater than an average distance between features within the sets, both as measured in a same direction.
- 17. An apparatus for fabricating an array, comprising:
- (a) a head system with multiple pulse jet drop dispensers;
- (b) a transport system to move the head system with respect to a substrate;
- (c) a processor which controls the head and transport system so as to deposit at least one set of drops from a corresponding same dispenser onto a substrate for each of

multiple sets of neighboring features, so as to form the array with the feature sets formed from drops deposited by respective different dispensers.

- 18. An apparatus according to claim 17 wherein a distance between at least two neighboring sets of features is greater than an average distance between features within the sets, both as measured in a same direction.
- 19. An apparatus according to claim 17 additionally comprising a loading station with receptacles to retain multiple different fluids such that the dispensers can be simultaneously brought into contact with respective receptacles for loading the dispensers with the different fluids.
- 20. An apparatus according to claim 17 wherein each dispenser can hold no more than 100µl of a fluid for dispensing drops.
- 21. An apparatus according to claim 19 wherein a set of biomonomer containing drops is deposited from the same dispenser for each feature of the feature sets.
- 22. An apparatus according to claim 19 wherein the different dispensers of the head system are moved in unison by the transport system.
- 23. An apparatus according to claim 22 wherein different dispensers deposit at least some of the drops of their respective drop sets on a same pass over the substrate.
- 24. An apparatus according to claim 22 wherein the step (a) is repeated with at least ten different dispensers.
- 25. An apparatus according to claim 22 wherein each set of neighboring features includes at least four features in a non-linear configuration.

- 26. An apparatus according to claim 22 wherein a distance between at least two neighboring feature sets is greater than a greatest distance separating features within the sets, both distances as measured in a same direction.
- An apparatus according to claim 22 additionally comprising a substrate cutter, and wherein the processor causes multiple arrays to be fabricated on a same substrate, and additionally causes the cutter to separate the substrate into multiple segments each carrying at least one of the arrays.
- 28. A method according to claim 22 wherein the distance between neighboring sets of features is no greater than 2 mm.
- 29. A computer program product for use with an apparatus for fabricating an array having multiple drop dispensers and a processor, the computer program product comprising a computer readable storage medium having a computer program stored thereon which, when loaded into the processor, performs the step of:

for each of multiple sets of neighboring features, depositing at least one set of drops from a corresponding same dispenser onto a substrate so as to form the array with the sets formed from drops deposited by respective different dispensers and with a distance between at least two neighboring sets of features which is greater than an average distance between features within the sets, both as measured in a same direction..

- 30. A computer program product acording to claim 29 wherein the program coordinates the positioning and firing of pulse-jets.
- 31. A computer program product according to claim 29 wherein the different dispensers deposit at least some of the drops of their respective drop sets on a same pass over the substrate.
- 32. A apparatus according to claim 22 wherein the step (a) is repeated with at least ten different dispensers.

- 33. A computer program product according to claim 22 wherein each set of neighboring features includes at least four features in a non-linear configuration.
- 34. A computer program product according to claim 22 wherein a distance between at least two neighboring feature sets is greater than a greatest distance separating features within the sets, both distances as measured in a same direction.